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Confirmation No.: 7454

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Docket No.: MWS-111

(PATENT)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted by facsimile to the Patent and Trademark Office, facsimile no. (571) 273-8300 at MS Amendment, Commissioner for Patents, P.O. Box 1450. Alexandria. VA 22313-1450, on the date show

Dated: December 7, 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Joseph F. Hicklin et al.

Application No.: 10/783,552

Filed: February 20, 2004

For: METHOD AND APPARATUS FOR

IMPROVED MODELING OF CHEMICAL AND BIOCHEMICAL REACTIONS

Examiner: K. R. Skowronek

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the non-final Office Action dated June 7, 2007 (Paper No. 20070531), please amend the above-identified U.S. patent application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Amendments to the Specification begin on page 9 of this paper.

Remarks/Arguments begin on page 11 of this paper.